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Substitute for Form 1449A/PTO		<i>C mplete If Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	To Be Assigned
		Filing Date	August 6, 2003
		First Named Inventor	T. Kishigami
		Art Unit	
		Examiner Name	
SHEET 1 of 2		Attorney Docket No. MAT-8207US1	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Issue Date/ Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
JP		US-5,262,789	11/16/1993	Silverstein	
		US-6,091,361	07/18/2000	Davis et al.	
		US-5,943,013	08/24/1999	Ohashi	
		US-5,299,148	03/24/1994	Gardner et al.	
		US-6,084,928	07/04/2000	Kuwahara	
		US-6,351,238	02/26/2002	Kishigami et al.	
JP		US-6,529,745	03/04/2003	Fukagawa et al.	
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
JP		EP 1 031 846 A2	08/30/2000	Matsushita Electrical Industrial Co., Ltd.	Page 1, Figs 15, 16
JP		EP 0 632 286 A2	01/04/1995	Hughes Aircraft Co.	Abstract
JP		EP 0 971 485 A1	01/12/2000	Siemens AG	Abstract
JP		WO 99 65160 A1	12/16/1999	Picciariello; Fanfoni; Spagnolini	Page 31-37

Examiner Signature	<i>[Signature]</i>	Date Considered	11/20/04
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²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible.

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Substitute for Form 1449B/PTO		Complete if Known	
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		Filing Date	August 6, 2003
		First Named Inventor	T. Kishigami
		Art Unit	
		Examiner Name	
SHEET 2 of 2		Attorney Docket No.	MAT-8207US1

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JP		Schmidt, Ralph O., "Multiple Emitter Location and Signal Parameter Estimation," IEEE Trans., Vol. AP-34, No. 3, pp. 276-280 (March 1986)	<input type="checkbox"/>
JP		Wax et al., "Detection of Signals by Information Theoretic Criteria," IEEE Trans., Vol. ASSP-33, No. 2, pp. 387-392 (April 1985)	<input type="checkbox"/>
		Pillai et al., "Forward/Backward Spatial Smoothing Techniques For Coherent Signal Identification," IEEE Trans., Vol. 37, No. 1, pp. 8-15 (January 1989)	<input type="checkbox"/>
		Haardt et al., "Unitary ESPRIT: How To Obtain Increased Estimation Accuracy with a Reduced Computational Burden," IEEE Trans., Vol. 43, No. 5, pp. 1232-1242 (May 1995)	<input type="checkbox"/>
		Capon, J., "High-Resolution Frequency-Wavenumber Spectrum Analysis," PROCEEDINGS OF THE IEEE, Vol. 57, No. 8, pp. 1408-1418 (August 1969)	<input type="checkbox"/>
		Kendall, David G., "Smoothing Periodograms from Time-Series with Continuous Spectra," Nature, Vol. 161, No. 4096, pp. 686-687 (May 1948)	<input type="checkbox"/>
JP		Karimi et al., "A Novel and Efficient Solution to Block-Based Joint-Detection Using Approximate Cholesky Factorization," IEEE Trans., Vol. 3, pp. 1340-1345, 1998	<input type="checkbox"/>
JP		European Search Report for Application No. EP 01 12 9227.3, dated July 16, 2002.	<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	D. M.	Date Considered	1/20/04
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